

CADDZOOM

MONTHLY NEWSLETTER
YOUR CAD / CAM HIGHWAY

Learn CAD before Engineering- Accelerate for Professional Development

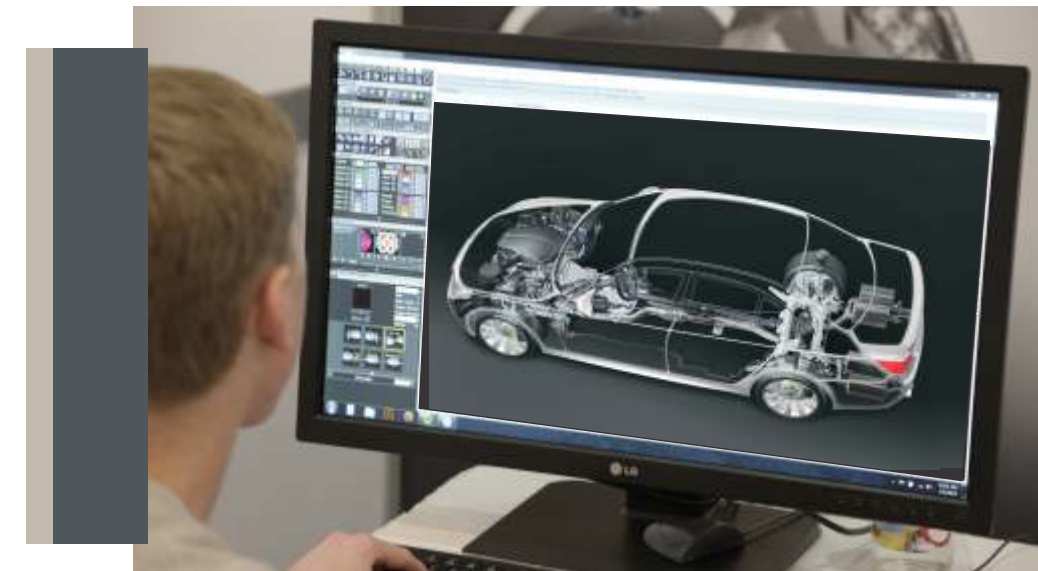


The CAD Technology has become one of the most important part and parcel of the engineering field. Almost all engineers currently are using CAD technology in their working process and many engineering firms are conducting training and certification programs for their team members.

CAD is one of the most widely used technologies in the engineering sector and many candidates are opting for CAD courses before they start their technical studies. From foundation to advanced, courses are available which are specially tailored for candidates who have recently completed their schooling and want to make a career in the engineering sector.

There are many tools a candidate can start with depending on the nature of jobs they want to pursue in the future; however, AutoCAD is considered as the best way to make a start. AutoCAD deals in 2D drafting also with 3D capabilities. Candidates can get oriented to the CAD technology through these courses and make themselves aware about how this sector revolves around it.

Candidates interested in the fields of architecture and interiors can learn Revit and 3DS Max. This tool offers the easiest way to create 3D models or to create 2D documents



in the best possible way there can be. Candidates who wish to opt for engineering and Industrial designs can opt for a course in SolidWorks, all these courses can be a short introduction to the industry standard of products and services and can help candidates build their future.

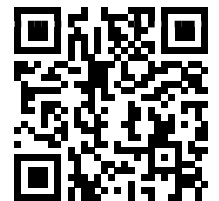
Scope and employment Opportunities

Many industries across nations now look forward to hire candidates that possess expertise or professional certifications in CAD technology. Aspiring candidates thus can opt for CAD courses before they join their engineering degrees. Although, these may not make them experts, but they are powerful enough to lay foundations about the career

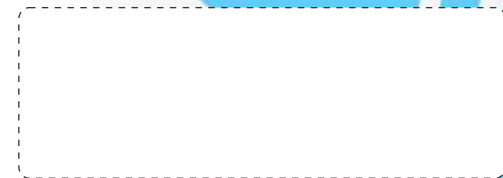
choices candidates makes and makes them aware about CAD technologies used across industries.

CADD Centre is offering fresh courses for individuals who are looking forward to give their career a new direction. CADD Centre provides top-notch training and certifications in the growing CAD sector. The PLAN CADD NEXT course which is offered absolutely free of cost provides a glimpse of what lies ahead in this field.

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Importance of 3D visualization in construction

Undoubtedly, 3D architecture and rendering is affecting the efficiency and visual communication in building design and construction. The introduction of 3D visualizations right into the project development life-cycle, certainly, made the project communication simple. The process of underlying the creation of building needs an architect to understand both the functions and the beauty of the project. Hence, more than ever, now a days architects are using 3D renderings and technologies to formulate the prototypes of the construction projects they are working on.

The Challenge

One of the major challenges the construction business faces during the whole process is, turning drawings and ideas into reality. And for this, before starting the project, the construction staff must have a mental picture of what is to be built.

The challenge also arrives when the client or his representative asks about the progress of the project- what tasks have been accomplished, what are the next steps and how will they take place. The reply to such a question is in the form of a tiresome and lengthy document.

In case of public construction projects,

important ministers may visit the site and want to track details of the project. In such cases, a 3D model of the project can be an effective way to communicate the message.

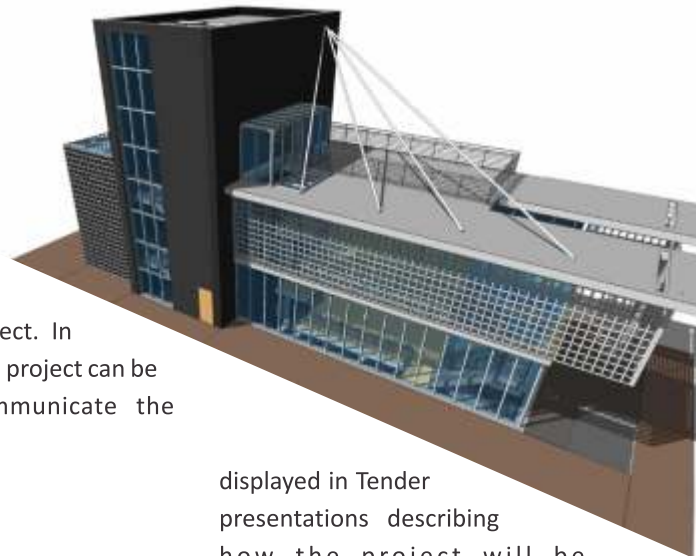
The Solution

With significant advances in the construction industry, the process of modeling projects shifted from 2D drawings to 3D visualizations. When we talk about 3D visualization, elements such as infographics, animations, timelines, photographs and video footages can be integrated to design the 3D models of the projects under construction or are needed to be approved.

3D visualizations can be the best way to capture someone's attention and make a lasting impression as people remember something more that they saw, rather than something that they read. Visual communication in construction through visual aids is a powerful method to inform, educate or to deliver a message, or a vision across prospects or to persuade an audience.

Uses and benefits

3D visualizations can be added in Power Point presentations and technical films that can be



displayed in Tender presentations describing how the project will be undertaken. These visualizations can contain not only the project prototype, but also the sequence of tasks, proposed methods, plans and timelines. 3D visualizations can enhance construction studies and result to a faster decision making process. The visualizations can be shown to the Ministers for a quick glance about the project and also can be used by the construction team for better project planning and management.

There are a number of CAD softwares and tools that many architectures and designers use every day for designing the 3D models for their construction projects such as AutoCAD, Revit Architecture, Civil 3D, ANSYS Civil, 3Ds Max, STAAD.Pro and ArchiCAD. Additionally, the CADD Centre offers trainings and certifications for students as well as working professionals to make them skilled and prove their competency in the construction business.



Growing need for Environmental Internships in India

Summer internships can be a perfect way to learn an extra lesson as students from school or colleges are extra busy during the whole year. With classes out of the way, students can commit completely on an internship program and can take all the benefits these internships offer.

Environmental internships have experienced a rise in demand for the past years. One of the most interesting aspect of Environmental Internships is, students from not only environmental backgrounds take up the courses, but youngsters from varied academic backgrounds, such as engineering, journalism, law or even students who just completed school can go for an internship program in Environmental Sciences.

Eco Projects creating Market Demands

With huge organizations such as the Centre for Science and Environment, taking up projects and consistently working with rich projects in environmental studies in divisions such as- Air Pollution, Water Management, Industry and Environment will generate employment opportunities in the near future.

The most interesting thing about environmental internships is, students and candidates from almost all academic backgrounds can join these programs, the only criteria many organizations have is the passion the candidate possesses to learn about the environment.

There are multiple environmental projects that are also offered by many NGO's, so that the interns have the luxury of choices in such cases. Many NGO's divide the interns into groups of four or five to work as a team. These interns then work on different projects such as rain water harvesting, waste material management, air and water pollution, etc.

The Tree Foundation in India is one such NGO that offers projects such as Study on Behavior



and Diet Preferences of Captive Elephants, Conservation of Sea Turtles, Activity based Biodiversity education and so on.

Hands on Experience

Some organizations that offer Summer Internships makes special efforts selecting their candidates and ensures they get a quality learning experience through the internship program. For this, candidates are assigned tasks related to the ongoing project of the company so that they get hands on experience and feel as an important part of the team.

Awards and Certifications

Not only candidates are awarded certifications for undertaking the internship. They also learn and understand how communication plays an important role to create awareness about environmental issues. These candidates, apart from their regular academic backgrounds gain knowledge about the environment and practices to preserve it.

Inspired by their experiences and learning, these candidates are the people who spread awareness among other youngsters about environmental issues and makes efforts preserving it.

